

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/511,480  
Source: PCT  
Date Processed by STIC: 11/1/04

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 11/01/2004

PATENT APPLICATION: US/10/511,480

TIME: 11:45:47

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511480.raw

```

3 <110> APPLICANT: Medical Research Council
5 <120> TITLE OF INVENTION: Treatment Methods
7 <130> FILE REFERENCE: ARDW/P28268PC
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/511,480
C--> 10 <141> CURRENT FILING DATE: 2004-10-15
12 <150> PRIOR APPLICATION NUMBER: GB 0208785.6
13 <151> PRIOR FILING DATE: 2002-04-17
15 <160> NUMBER OF SEQ ID NOS: 20
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 19
21 <212> TYPE: PRT
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
26 Arg Val Lys Phe Lys Ser Gln Gln His Arg Gln Gly Arg Ser His His
27 1          5          10          15
30 Leu Glu Met
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 52
36 <212> TYPE: PRT
37 <213> ORGANISM: Homo sapiens
39 <400> SEQUENCE: 2
41 Arg Lys Ala Val Leu Lys Asn Leu Tyr Lys Leu Ala Ser Gln Cys Cys
42 1          5          10          15
45 Gly Val His Val Ile Ser Leu His Ile Trp Glu Leu Ser Ser Ile Lys
46          20          25          30
49 Asn Ser Leu Lys Val Ala Ala Ile Ser Glu Ser Pro Val Ala Glu Lys
50          35          40          45
53 Ser Ala Ser Thr
54          50
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 30
59 <212> TYPE: PRT
60 <213> ORGANISM: Homo sapiens
62 <220> FEATURE:
63 <221> NAME/KEY: MOD_RES
64 <222> LOCATION: (30)..(30)
65 <223> OTHER INFORMATION: AMIDATION
68 <400> SEQUENCE: 3
70 Cys Leu Ser Glu Glu Ala Lys Glu Ala Arg Arg Ile Asn Asp Glu Ile
71 1          5          10          15
74 Glu Arg Gln Leu Arg Arg Asp Lys Arg Asp Ala Arg Arg Glu
75          20          25          30

```

## RAW SEQUENCE LISTING

DATE: 11/01/2004

PATENT APPLICATION: US/10/511,480

TIME: 11:45:47

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511480.raw

```

78 <210> SEQ ID NO: 4
79 <211> LENGTH: 15
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <220> FEATURE:
84 <221> NAME/KEY: MOD_RES
85 <222> LOCATION: (15)..(15)
86 <223> OTHER INFORMATION: AMIDATION
89 <400> SEQUENCE: 4
91 Lys Asp Thr Ile Leu Gln Leu Asn Leu Lys Glu Tyr Asn Leu Val
92 1          5          10          15
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 8
97 <212> TYPE: PRT
98 <213> ORGANISM: Artificial
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Derived from human FP receptor
103 <400> SEQUENCE: 5
105 Ile Leu Gly His Arg Asp Tyr Lys
106 1          5
109 <210> SEQ ID NO: 6
110 <211> LENGTH: 8
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Derived from human FP receptor
117 <400> SEQUENCE: 6
119 Trp Glu Asp Arg Phe Tyr Leu Leu
120 1          5
123 <210> SEQ ID NO: 7
124 <211> LENGTH: 9
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial
128 <220> FEATURE:
129 <223> OTHER INFORMATION: EP4 receptor antagonist
131 <400> SEQUENCE: 7
133 Ile Phe Thr Ser Tyr Leu Glu Cys Leu
134 1          5
137 <210> SEQ ID NO: 8
138 <211> LENGTH: 8
139 <212> TYPE: PRT
140 <213> ORGANISM: Artificial
142 <220> FEATURE:
143 <223> OTHER INFORMATION: EP4 receptor antagonist
145 <400> SEQUENCE: 8
147 Ile Phe Ala Ser Tyr Glu Cys Leu
148 1          5
151 <210> SEQ ID NO: 9
152 <211> LENGTH: 8

```

## RAW SEQUENCE LISTING

DATE: 11/01/2004

PATENT APPLICATION: US/10/511,480

TIME: 11:45:47

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511480.raw

```

153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial
156 <220> FEATURE:
157 <223> OTHER INFORMATION: EP4 receptor antagonist
159 <400> SEQUENCE: 9
161 Ile Phe Thr Ser Ala Glu Cys Leu
162 1 5
165 <210> SEQ ID NO: 10
166 <211> LENGTH: 8
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial
170 <220> FEATURE:
171 <223> OTHER INFORMATION: EP4 receptor antagonist
173 <400> SEQUENCE: 10
175 Ile Phe Thr Ser Tyr Glu Ala Leu
176 1 5
179 <210> SEQ ID NO: 11
180 <211> LENGTH: 8
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial
184 <220> FEATURE:
185 <223> OTHER INFORMATION: EP4 receptor antagonist
187 <400> SEQUENCE: 11
189 Ile Leu Ala Ser Tyr Glu Cys Leu
190 1 5
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 8
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial
198 <220> FEATURE:
199 <223> OTHER INFORMATION: EP4 receptor antagonist
201 <400> SEQUENCE: 12
203 Ile Phe Thr Ser Thr Asp Cys Leu
204 1 5
207 <210> SEQ ID NO: 13
208 <211> LENGTH: 6
209 <212> TYPE: PRT
210 <213> ORGANISM: Artificial
212 <220> FEATURE:
213 <223> OTHER INFORMATION: EP4 receptor antagonist
215 <220> FEATURE:
W--> 216 <221> NAME/KEY: 4-biphenyl alanine
217 <222> LOCATION: (5)..(5)
218 <223> OTHER INFORMATION:
W--> 220 <400> 13
222 Thr Ser Tyr Glu Ala Leu
223 1 5
226 <210> SEQ ID NO: 14
227 <211> LENGTH: 6

```

## RAW SEQUENCE LISTING

DATE: 11/01/2004

PATENT APPLICATION: US/10/511,480

TIME: 11:45:47

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511480.raw

```

228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial
231 <220> FEATURE:
232 <223> OTHER INFORMATION: EP4 receptor antagonist
234 <220> FEATURE:
W--> 235 <221> NAME/KEY: homophenyl alanine
236 <222> LOCATION: (5)..(5)
237 <223> OTHER INFORMATION:
W--> 239 <400> 14
241 Thr Ser Tyr Glu Ala Leu
242 1 5
245 <210> SEQ ID NO: 15
246 <211> LENGTH: 19
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Human FP receptor PCR primer
253 <400> SEQUENCE: 15
254 gcagctgcgc ttctttcaa 19
257 <210> SEQ ID NO: 16
258 <211> LENGTH: 30
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Human FP receptor PCR primer
265 <400> SEQUENCE: 16
266 cactgtcatg aagattactg aaaaaaatac 30
269 <210> SEQ ID NO: 17
270 <211> LENGTH: 24
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Human FP receptor probe
277 <400> SEQUENCE: 17
278 cacaacctgc cagacggaaa accg 24
281 <210> SEQ ID NO: 18
282 <211> LENGTH: 20
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Human ribosomal 18S PCR primer
289 <400> SEQUENCE: 18
290 cggtaccac atccaaggaa 20
293 <210> SEQ ID NO: 19
294 <211> LENGTH: 18
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Human ribosomal 18S PCR primer

```

## RAW SEQUENCE LISTING

DATE: 11/01/2004

PATENT APPLICATION: US/10/511,480

TIME: 11:45:47

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511480.raw

301 <400> SEQUENCE: 19  
302 gctggaatta ccgcggct 18  
305 <210> SEQ ID NO: 20  
306 <211> LENGTH: 22  
307 <212> TYPE: DNA  
308 <213> ORGANISM: Artificial  
310 <220> FEATURE:  
311 <223> OTHER INFORMATION: Human ribosomal 18S PCR probe  
313 <400> SEQUENCE: 20  
314 tgctggcacc agacttgccc tc 22

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/511,480

DATE: 11/01/2004  
TIME: 11:45:48

Input Set : A:\pto.kd.txt  
Output Set: N:\CRF4\10292004\J511480.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/511,480

DATE: 11/01/2004

TIME: 11:45:48

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511480.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:216 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13  
L:220 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:218  
L:235 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
L:239 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:237